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(54) PACKING HAVING LIP IN UTILIZATION OF SHAPE **MEMORY ALLOY**

(57) Abstract:

PURPOSE: To facilitate insertion of a packing and improve sealing effect by installing a shape memory alloy ring into which the shape for developing sealing effect is memorized previously, onto a lip.

CONSTITUTION: In order to install a shape memory alloy of Ti-Ni alloy made reverse-transformation temperature of about 70°C onto a lip, the inside diameter of said ring 4 is expanded by about 1% or more at a room temperature and then fitted. A packing 1 having the ring 4 installed is accommodated into a sealing groove 5, and a rod 6 having an outside diameter of 90mm is inserted. When the temperature of the fluid to be sealed is raised and the ring 4 is put into the reverse-transformation temperature or more, the inside diameter of the ring tends to contract to a memorized shape, and the packing 1 develops its sealing function effectively.

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